

CAS/STN FILE 'HCAPLUS' ENTERED AT 07:40:23 ON 01 MAR 2005

E US20040109114/PN

L1 1 S US2004109114/PN
D ALL

FILE 'WPIX' ENTERED AT 07:40:50 ON 01 MAR 2005

E US20040109114/PN

L2 1 S US2004109114/PN
D MAX

FILE 'STNGUIDE' ENTERED AT 07:41:13 ON 01 MAR 2005

FILE 'STNGUIDE' ENTERED AT 07:47:07 ON 01 MAR 2005

FILE 'HCAPLUS' ENTERED AT 07:49:02 ON 01 MAR 2005

FILE 'HCAPLUS' ENTERED AT 07:49:12 ON 01 MAR 2005

L3 1 S 2255/SO AND 1989/SO AND 190/SO
L4 2 S (5 AND 107 AND 1993 AND (ADV OR ADVANCED))/
SO
L5 2 S (US4683327 OR US5622648)/PN

FILE 'STNGUIDE' ENTERED AT 07:49:13 ON 01 MAR 2005

FILE 'HCAPLUS' ENTERED AT 07:52:09 ON 01 MAR 2005

L6 8 S (US5770107 OR WO9522586 OR WO9524455 OR
WO9700600 OR WO9823580 OR WO9852905 OR JP01272551 OR JP64272551
OR JP06016616)/PN

FILE 'STNGUIDE' ENTERED AT 07:52:09 ON 01 MAR 2005

FILE 'HCAPLUS' ENTERED AT 07:53:23 ON 01 MAR 2005

L7 3 S (JP07110469 OR JP11080081 OR JP2001064627)/
PN
L8 16 S (L3 OR L4 OR L5 OR L6 OR L7)
L9 SEL PLU=ON L8 1- RN : 330 TERMS

FILE 'REGISTRY' ENTERED AT 07:53:53 ON 01 MAR 2005

L10 330 S L9
L11 324 S L10 AND C/ELS

FILE 'HCAPLUS' ENTERED AT 07:54:07 ON 01 MAR 2005

L12 604458 S L9
L13 16 S L8 AND L12
D ALL HITSTR TOT

FILE 'WPIX' ENTERED AT 07:58:05 ON 01 MAR 2005

L14 SEL PLU=ON L2 1- IC : 3 TERMS

FILE 'HCAPLUS' ENTERED AT 07:58:52 ON 01 MAR 2005

L15 SEL PLU=ON L1 1- IC FTERM : 15 TERMS

FILE 'STNGUIDE' ENTERED AT 07:58:56 ON 01 MAR 2005

FILE 'HCAPLUS' ENTERED AT 07:59:27 ON 01 MAR 2005

L16 39436 S G02F001-133?/IC OR 349117?/NCL
L17 604458 S L9
L18 22251 S L14
L19 7926 S L15
L20 971 S L17 AND (L18 OR L19 OR L16)
L21 155 S (DIFFERENC### OR PHAS## OR RETARD#####)
AND L20
L22 604458 S L9
L23 68036 S (DIFFERENC### OR PHAS## OR RETARD#####)
AND L22
L24 604458 S L9

L25 10919 S L24(L) (PHAS#### OR DIFFERENC### OR
 RETARD#####)
 L26 45 S L21 AND L25
 L27 10908 S L23 AND L25
 L28 114 S L25 AND RETARDER
 L29 60 S L25 AND RETARD##### (2A) (PLATE OR FILM OR
 STACK#### OR LAYER####)
 L30 23 S L25 AND PHASE DIFFERENCE
 L31 40 S L25 AND (ROD### OR RODLIK#####)
 L32 604458 S L9
 L33 3420 S L32 AND ANISOTROP#####
 L34 604458 S L9
 L35 38124 S L34 AND (POLYMERIS? OR POLYMERIZ?)
 L36 604458 S L9
 L37 9789 S L36 AND LINK#####
 L38 604458 S L9
 L39 4462 S L38 AND ((DI OR BI OR TWO OR 2) (2A) VALEN###
 ## OR BIVALEN#### OR DIVALEN#####)
 L40 604458 S L9
 L41 1065 S L40 AND SINGL## (2A) BOND#####
 L42 604458 S L9
 L43 4519 S L42 AND DOUBL## (2A) BOND#####
 L44 604458 S L9
 L45 76155 S L44 AND GROUP
 L46 604458 S L9
 L47 7694 S L46 AND (LC OR LIQ OR CRYST##### OR
 LIQUID) (2A) (POLYMER#### OR COMPOUND OR HOMOPOLYMER#### OR
 MONOMER#### OR CHEMICAL OR MATERIAL)
 L49 2580 S L17 AND ROD#####
 L50 2580 S L49 AND ((L16 OR L17 OR L18 OR L19 OR L20
 OR L21))
 L51 10 S L49 AND (L16 OR (L18 OR L19 OR L20 OR
 L21))
 L52 376 S L49 AND L23
 L53 42 S L49 AND L25
 L54 4 S L49 AND L26
 L55 42 S L49 AND L27
 L56 40 S L49 AND (L28 OR L29 OR L30 OR L31)
 L57 47 S L49 AND L33
 L58 143 S L49 AND L35
 L59 65 S L49 AND L37
 L60 14 S L49 AND L39
 L61 2 S L49 AND L41
 L62 8 S L49 AND L43
 L63 277 S L49 AND L45
 L64 112 S L49 AND L47
 L65 41 S L52 AND L58
 L66 44 S L52 AND L63
 L67 47 S L52 AND L64
 L68 46 S L58 AND L63
 L69 46 S L58 AND L64
 L70 37 S L63 AND L64
 L71 761 S L17 AND (LONG OR STRAIGHT OR BAR OR
 SLAB##### OR STICK OR ROPE OR ROPY OR SHAFT#####) (4A) (COMPOUND
 OR MATERIAL OR CRYST##### OR MORPHOL##### OR
 MONOCRYST##### OR LC)
 L72 5 S (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR
 L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR
 L66 OR L67 OR L68 OR L69 OR L70) AND L71
 L73 47 S (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR
 L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR
 L66 OR L67 OR L68 OR L69 OR L70) AND ANISOTROP#####
 L74 21 S (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR
 L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR
 L66 OR L67 OR L68 OR L69 OR L70) AND SLOW####
 L75 14 S (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR
 L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR

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L76      L66 OR L67 OR L68 OR L69 OR L70) AND RETARD#####
7 S      (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR
L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR
L66 OR L67 OR L68 OR L69 OR L70) AND PHAS##(2A)(DIFFEREN####
OR CHANG#### OR DELTA)
L77      4 S      L71 AND RETARD#####
L78      77 S     L71 AND PHAS###
L79      108 S    L71 AND DIFFER#####
L80      62 S     L71 AND (PLATE### OR SLAB####)
L81      11 S     L78 AND L79
L82      9 S      L78 AND L80
L83      7 S      L79 AND L80
L84      24 S     L26 AND L28
L85      131 S    L30 OR L51 OR L54 OR (L60 OR L61 OR L62)
OR L72 OR (L74 OR L75 OR L76 OR L77) OR (L81 OR L82 OR L83 OR
L84)
L86      23 S     L85 AND PHASE DIFFERENCE
L87      37 S     L85 AND RETARD#####
L88      63 S     L85 AND ROD#####
L89      23 S     L85 AND PLATE
L90      10 S     L86 AND (L87 OR L88 OR L89)
L91      17 S     L87 AND (L88 OR L89)
L92      7 S      L88 AND L89
L93      11 S     (L86 OR L87 OR L88 OR L89) AND ANISOTROP###
#####
L94      42 S     (L89 OR L90 OR L91 OR L92 OR L93)
D ALL HITSTR TOT
L95      1564 S   (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR
L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR
L66 OR L67 OR L68 OR L69 OR L70 OR L71 OR L72 OR L73 OR L74 OR
L75 OR L76 OR L77 OR L78 OR L79 OR L80 OR L81 OR L82 OR L83 OR
L84 OR L85 OR L86 OR L87 OR L88)
L96      56 S     L95 AND rodlike
L97      163 S    L95 AND ROD###(3A)(LIKE OR SHAP#### OR
MORPHOLOG##### OR CRYST#####)
L98      204 S    (L96 OR L97) NOT L94
L99      42 S     L98 AND LIQUID CRYSTALS(L) POLYMER#####
L100     0 S      L98 AND POLARIZERS
L101     0 S      L98 AND LIQUID CRYSTAL DEVICE
L102     1 S      L98 AND LIQUID CRYSTAL DISPLAY
L103     1 S      L98 AND OPTICAL INSTRUMENTS
L104     43 S     (L99 OR L100 OR L101 OR L102 OR L103)

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CAS/STN FILE 'REGISTRY' ENTERED AT 11:40:39 ON 01 MAR 2005

L1 SCREEN 2043
 L2 STRUCTURE UPLOADED
 L3 QUE ABB=ON PLU=ON L2 AND L1
 L4 0 SEA SSS SAM L2 AND L1
 L5 SCREEN 2043
 L6 STRUCTURE UPLOADED
 L7 QUE ABB=ON PLU=ON L6 AND L5
 L8 0 SEA SSS SAM L6 AND L5

FILE 'CAPLUS, MARPAT, MARPATPREV, REGISTRY' ENTERED AT 11:46:31 ON 01 MAR 2005

L9 0 SEA SSS FUL L6 AND L5
 L10 49 SEA SSS FUL L6
 L11 0 SEA SSS FUL L6
 L12 0 S L9
 SET DUPORDER FILE
 L13 49 DUP REM L11 L10 L12 (0 DUPLICATES REMOVED).
 ANSWERS '1-49' FROM FILE MARPAT
 L14 0 S L12 AND PHASE DIFFERENCE
 L15 0 S L10 AND PHASE DIFFERENCE
 L16 0 S L11 AND PHASE DIFFERENCE
 L17 0 S L15 AND L10
 L18 0 S L16 AND L11
 L19 0 S L12 AND RETARD#####
 L20 0 S L10 AND RETARD#####
 L21 0 S L11 AND RETARD#####
 L22 0 S L20 AND L10
 L23 0 S L21 AND L11
 L24 0 S L12 AND PLATE
 L25 0 S L10 AND PLATE
 L26 0 S L11 AND PLATE
 L27 0 S L25 AND L10
 L28 0 S L26 AND L11

FILE 'HCAPLUS' ENTERED AT 11:51:51 ON 01 MAR 2005

L29 126 S PHASE DIFFERENCE PLATE
 L30 2643 S RETARD#####(2A) (PLATE OR LAYER OR FILM OR SLAB)
 L31 943 S (L29 OR L30) AND (LC OR LCD OR LIQ#####(2A)CRYST#####)
 L32 5 S L31 AND LINKING GROUP
 L33 9 S L31 AND DIVALEN#####
 L34 1 S L31 AND BIVALEN#####
 L35 0 S L31 AND 2(3A)VALEN#####
 L36 6 S L31 AND LINKING
 L37 2 S L31 AND DOUBLE BOND
 L38 20 S L31 AND SINGLE BOND
 L39 10 S L31 AND (ROD OR RODLIKE OR ROD OR RODS)
 L40 40 S (L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39)
 L41 SEL PLU=ON L40 1- RN : 644 TERMS

FILE 'REGISTRY' ENTERED AT 11:54:46 ON 01 MAR 2005

L42 641 S L41
 L43 582 S L42 AND O/ELS
 L44 632 S L42 AND C/ELS
 L45 427 S L42 AND 2-6/NR
 L46 396 S L43 AND L44 AND L45
 L47 325 S L46 AND OXY
 L48 90 S L46 AND OXO
 L49 31 S AZOMETHIN?
 L50 4901 S AZOX?
 L51 29 S L42 AND CYCLOHEXANE
 L52 0 S L42 AND PHENYLPYRIMIDIN?
 L53 8 S L42 AND PYRIMIDIN?
 L54 0 S L42 AND DIOXAN?

L55 4 S L42 AND BENZONITRIL?
 L56 105 S L42 AND (DIPHENYL? OR BIPHENYL?)
 L57 20 S L56 AND CYAN####
 L58 100 S L42 AND CYCLOHEXYL
 L59 148 S (L47 OR L48) AND (L49 OR L50 OR L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58)
 L60 148 S L45 AND L59

FILE 'HCAPLUS' ENTERED AT 12:00:16 ON 01 MAR 2005

L61 6 S L60(L) (RETARDATION OR RETARDER)
 L62 12 S L60(L) PHASE
 L63 0 S L60(L) DIFFERENCE
 L64 1 S L60(L) PLATE
 L65 5 S L40 AND (L61 OR L62 OR L63 OR L64)
 D ALL HITSTR TOT
 L66 0 S L61 AND L62
 L67 4 S L61 AND L65
 L68 1 S L62 AND L65
 L69 0 S (L67 OR L68) NOT L65
 L70 1 S L60 AND PHASE##/TI,ST,IT AND PLATE##/TI,ST,IT
 L71 1 S L60 AND PHASE##/TI,ST,IT AND (SLOW#### OR RETARD##### OR DELAY#####)/TI,ST,IT
 L72 1 S L60 AND PLATE/TI,ST,IT AND (SLOW#### OR RETARD##### OR DELAY#####)/TI,ST,IT
 L73 0 S (L70 OR L71 OR L72) NOT L65
 L74 2 S L60 AND PHASE DIFFERENCE
 L75 1 S L60 AND PHASE(2A) PLATE
 L76 0 S L60 AND DIFFEREN####(2A) PLATE
 L77 2 S L60 AND (RETARD#### OR SLOW#### OR DELAY####)(5A) (PLATE OR DIFFERENCE OR PHASE)
 L78 1 S (L74 OR L75 OR L76 OR L77) NOT L65
 D ALL HITSTR

FILE 'STNGUIDE' ENTERED AT 12:07:57 ON 01 MAR 2005

FILE 'HCAPLUS' ENTERED AT 12:08:04 ON 01 MAR 2005

L79 778 S ((L47 OR L48 OR L49) OR (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59)) (L) PHASE
 L80 24 S ((L47 OR L48 OR L49) OR (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59)) (L) DIFFERENCE
 L81 149 S ((L47 OR L48 OR L49) OR (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59)) (L) PLATE
 L82 78 S ((L47 OR L48 OR L49) OR (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59)) (L) (SLOW#### OR RETARD##### OR DELAY#####)
 L83 149 S ((L47 OR L48 OR L49) OR (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59)) (L) PLATE
 L84 15 S ((L47 OR L48 OR L49) OR (L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59)) (L) (ROD OR RODS OR RODLIKE)
 L85 6 S L79 AND L80
 L86 11 S L79 AND L81
 L87 8 S L79 AND L82
 L88 1 S L79 AND L84
 L89 0 S L80 AND L84
 L90 4 S L80 AND L83
 L91 3 S L80 AND L82
 L92 9 S L81 AND L82
 L93 2 S L81 AND L84
 L94 0 S L87 AND L84
 L95 147 S (L79 OR L80 OR L81 OR L82 OR L83 OR L84) AND PLATE/TI,ST,IT
 L96 53 S (L80 OR (L84 OR L85 OR L86 OR L87 OR L88 OR L89 OR L90 OR L91 OR L92 OR L93)) NOT (L78 OR L65)
 L97 11 S L96 AND RETARDER
 L98 15 S L96 AND RETARDATION
 L99 0 S L96 AND RETARDING
 L100 13 S (L47 OR L48 OR L49 OR L50) AND L96

L101 13 S (L79 OR L80 OR L81 OR L82 OR L83 OR L84)
 AND L100
 L102 13 S L101 NOT (L78 OR L65)
 L103 13 S (L79 OR L80 OR L81 OR L82 OR L83 OR L84 OR
 L85 OR L86 OR L87 OR L88 OR L89 OR L90 OR L91 OR L92 OR L93 OR
 L94 OR L95 OR L96 OR L97 OR L98 OR L99) AND L102
 L104 17 S (L84 OR L85 OR L86 OR L87 OR L88 OR L89 OR
 L90 OR L91 OR L92 OR L93) AND 2002-2005/PRY
 L105 11 S (L84 OR L85 OR L86 OR L87 OR L88 OR L89 OR
 L90 OR L91 OR L92 OR L93) AND 2002/PRY
 L106 7 S (L84 OR L85 OR L86 OR L87 OR L88 OR L89 OR
 L90 OR L91 OR L92 OR L93) AND 2001/PRY
 L107 1 S (L84 OR L85 OR L86 OR L87 OR L88 OR L89 OR
 L90 OR L91 OR L92 OR L93) AND 2000/PRY
 L108 1 S (L84 OR L85 OR L86 OR L87 OR L88 OR L89 OR
 L90 OR L91 OR L92 OR L93) AND 1999/PRY
 L109 0 S (L84 OR L85 OR L86 OR L87 OR L88 OR L89 OR
 L90 OR L91 OR L92 OR L93) AND 1998/PRY
 L110 2 S ((L84 OR L85 OR L86 OR L87 OR L88 OR L89
 OR L90 OR L91 OR L92 OR L93) NOT P/DT) AND 2003-2005/PY
 L111 12 S ((L84 OR L85 OR L86 OR L87 OR L88 OR L89
 OR L90 OR L91 OR L92 OR L93) NOT P/DT)
 L112 10 S L111 NOT L110
 L113 22 S (L84 OR L85 OR L86 OR L87 OR L88 OR L89 OR
 L90 OR L91 OR L92 OR L93) NOT L104
 L114 20 S L113 NOT L110
 L115 31 S (L105 OR L106 OR L107 OR L108) OR L112 OR
 L114
 L116 20 S L115 NOT (L103 OR L78 OR L65)
 D ALL HITSTR TOT